

Title (en)
THERMOPLASTIC COMPOSITION COMPRISING A POLYAMIDE AND A POLYSILOXANE

Title (de)
THERMOPLASTISCHE ZUSAMMENSETZUNG MIT EINEM POLYAMID UND EINEM POLYSILOXAN

Title (fr)
COMPOSITION THERMOPLASTIQUE COMPRENANT UN POLYAMIDE ET UN POLYSILOXANE

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Application
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Abstract (en)
[origin: EP3034557A1] The present invention relates to a thermoplastic composition which comprises at least one polyamide, which preferably has a melting point of less than 185°C, and at least one liquid polysiloxane compound which preferably has a viscosity of 750 to 100,000 mPas at 25°C and is OH terminated, wherein the thermoplastic composition is obtainable by a process comprising the steps: 1a) heating the at least one polyamide to a temperature above the melting point of the at least one polyamide and preferably below 185°C; 2a) adding under stirring the at least one liquid polysiloxane compound to the heated compound(s) of step 1 a), wherein the temperature is kept above the melting point of the at least one polyamide and preferably below 185°C; and 3a) mixing the obtained mixture of step 2a) preferably at 80° to 180°C, more preferably 110 to 140°C. Use of this the thermoplastic composition according to the present invention in sealants, adhesives, or as rheological modifier or surface modifier. Furthermore, to a hot melt adhesive comprising the thermoplastic composition according to the present invention. And use of this hot melt in vehicle parts, constructions, windows, glazing, sanitary applications, fittings, roofing, plumbing, appliance application and bonding of panes.

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